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OM protein - protein search, using sw model

Run on: August 28, 2003, 02:56:24 ; Search time 42 Seconds
(without alignments)
236.739 Million cell updates/sec

Title: US-09-308-829-2
Perfect score: 1232
Sequence: 1 MKKINIKIYFIIITVILIST.....KDNRIIMKNFSDIYLEK 235

Scoring table: BIOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 4231058 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/laa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/laa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/laa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/laa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/laa/PTCUS.COMB.pep:*
6: /cgn2_6/ptodata/1/laa/backfillseq1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1100	89.3	208	3 US-08-896-933-30	Sequence 30, Appl
2	1100	89.3	208	4 US-09-314-235-30	Sequence 30, Appl
3	211	17.1	251	4 US-09-144-776B-16	Sequence 16, Appl
4	210	17.0	221	4 US-08-896-933-29	Sequence 29, Appl
5	210	17.0	221	4 US-09-314-235-29	Sequence 29, Appl
6	209.5	17.0	228	3 US-08-896-933-25	Sequence 25, Appl
7	209.5	17.0	228	4 US-09-314-235-25	Sequence 25, Appl
8	185.5	15.1	257	3 US-08-486-099-112	Sequence 112, App
9	185.5	15.1	257	3 US-08-360-107A-112	Sequence 112, App
10	185.5	15.1	257	3 US-08-484-223B-112	Sequence 112, App
11	185.5	15.1	257	3 US-08-919-597-112	Sequence 112, App
12	185.5	15.1	257	3 US-08-475-668A-112	Sequence 112, App
13	185.5	15.1	257	3 US-08-485-551A-112	Sequence 112, App
14	185.5	15.1	257	3 US-08-471-913A-112	Sequence 112, App
15	185.5	15.1	257	3 US-08-485-264A-112	Sequence 112, App
16	185.5	15.1	257	4 US-08-474-349A-112	Sequence 112, App
17	185.5	15.1	257	4 US-08-470-896-112	Sequence 112, App
18	185.5	15.1	257	4 US-08-485-546A-112	Sequence 112, App
19	183.5	14.9	233	4 US-08-695-692B-8	Sequence 8, Appl1
20	177.5	14.4	233	4 US-08-446-918A-4	Sequence 4, Appl1
21	177.5	14.4	233	4 US-08-580-806-4	Sequence 4, Appl1
22	177.5	14.4	233	4 US-08-695-692B-7	Sequence 7, Appl1
23	177.5	14.4	257	3 US-08-360-107A-123	Sequence 113, App
24	177.5	14.4	257	3 US-08-484-223B-113	Sequence 113, App
25	177.5	14.4	257	3 US-08-919-597-113	Sequence 113, App
26	177.5	14.4	257	3 US-08-475-668A-113	Sequence 113, App
27	177.5	14.4	257	3 US-08-485-551A-113	Sequence 113, App

28	177.5	14.4	257	3 US-08-485-551A-113	Sequence 113, App
29	177.5	14.4	257	3 US-08-471-913A-113	Sequence 113, App
30	177.5	14.4	257	3 US-08-485-264A-113	Sequence 113, App
31	177.5	14.4	257	4 US-08-474-349A-113	Sequence 113, App
32	177.5	14.4	257	4 US-08-470-896-113	Sequence 113, App
33	177.5	14.4	257	4 US-08-485-546A-113	Sequence 113, App
34	176.5	14.3	226	4 US-08-896-933-24	Sequence 24, Appl
35	176.5	14.3	226	4 US-09-314-235-24	Sequence 24, Appl
36	175.5	14.2	266	4 US-09-144-776B-6	Sequence 6, Appl1
37	170.5	13.8	232	3 US-08-896-933-23	Sequence 23, Appl
38	170.5	13.8	232	4 US-09-314-235-23	Sequence 23, Appl
39	169.5	13.8	238	3 US-08-896-933-28	Sequence 28, Appl
40	169.5	13.8	238	4 US-09-314-235-28	Sequence 28, Appl
41	169.5	13.8	239	3 US-08-896-933-27	Sequence 27, Appl
42	169.5	13.8	239	4 US-09-314-235-27	Sequence 27, Appl
43	167.5	13.6	266	4 US-09-414-276-8	Sequence 8, Appl1
44	166.5	13.5	233	4 US-09-144-776B-4	Sequence 4, Appl1
45	166.5	13.5	239	3 US-08-896-933-26	Sequence 26, Appl

ALIGNMENTS

```
RESULT 1
US-08-896-933-30
: Sequence 30, Application US/08896933
: Patent No. 6221351
: GENERAL INFORMATION:
: APPLICANT: Terman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
: SUPERANTIGENS, AND RELATED COMPOUNDS
: FILE REFERENCE: 09629/005002
: CURRENT APPLICATION NUMBER: US/08/896, 933
: CURRENT FILING DATE: 1997-07-18
: EARLIER APPLICATION NUMBER: 08/252, 978
: EARLIER FILING DATE: 1994-06-02
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 30
: LENGTH: 208
: TYPE: PRT
: ORGANISM: Streptococcus pyogenes
US-08-896-933-30

Query Match      89.3%, Score 1100, DB 3, Length 208:
Best Local Similarity 100.0%; Pred. No. 6.6e-104;
Matches 208; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      28 DSKKDISNVKSDLYAYATITPYDKDCRVNSTHTLTNDQYRGKDYISMSYEAS 87
         |||||||
Db      1 DSKKDISNVKSDLYAYATITPYDKDCRVNSTHTLTNDQYRGKDYISMSYEAS 60

Oy      88 QKFRDDHVDVFGLEFYILNSHTGXYIYGCTPPAONNKVNHKLGNLFISGSQONLNKI 147
         |||||||
Db      61 QKFRDDHVDVFGLEFYILNSHTGXYIYGCTPPAONNKVNHKLGNLFISGSQONLNKI 120

Oy      148 ILENDIYTFQDIDKIRKYLMDNKKYIDATSPYSGRIETKKGKHEQIDLFSPNDEGT 207
         |||||||
Db      121 ILENDIYTFQDIDKIRKYLMDNKKYIDATSPYSGRIETKKGKHEQIDLFSPNDEGT 180

Oy      208 RSDIFAKYKDNRIIMKNFHSFDIYLEK 235
         |||||||
Db      181 RSDIFAKYKDNRIIMKNFHSFDIYLEK 208

RESULT 2
US-09-314-235-30
: Sequence 30, Application US/09314235
: Patent No. 6338845
: GENERAL INFORMATION:
: APPLICANT: Terman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
: SUPERANTIGENS, AND RELATED COMPOUNDS
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OY      83 SYEASQFKRDDHDVGL-FYLL-----NSHTGEYVIGTTPPAONKNVN-----KLLG 133
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      63 KNOEMALLFKDKNDIVIGVEYTHLCYLCENNERASACTYGVY---NHGHNLEIPKTIYV 119
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
OY      132 NLFISSGSQONLNKKILLEDKIVTFOEIDFKIRKLYMDNXYIY-DATSPYVSGRIEIGTK 190
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      120 KVSIDG--IOSLSFDIETNKKMVAQOELDYKVRKYLTDNKKOLYTNNGPSKETGYIKFKTPK 177
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
OY      191 DGRHEQIDLPDSNEGTRSDIFAYKYKNNRIINMKNFSHFDIYL 233
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      178 NKSEFWFDLPPEP-EFTQSKYLMYIKDNETLD-SNTSOIEVYLL 218
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :

RESULT 5
US-09-314-235-29
; Sequence 29, Application US/09314235
; Patent No. 6338845
; GENERAL INFORMATION:
; APPLICANT: Terman, David S.
; TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
; FILE REFERENCE: 09629/005004
; CURRENT APPLICATION NUMBER: US/09/314,235
; EARLIER FILING DATE: 1999-05-18
; EARLIER APPLICATION NUMBER: 08/896,933
; EARLIER FILING DATE: 1997-07-18
; EARLIER APPLICATION NUMBER: 08/252,978
; EARLIER FILING DATE: 1994-06-02
; EARLIER APPLICATION NUMBER: 07/891,718
; EARLIER FILING DATE: 1992-06-01
; EARLIER APPLICATION NUMBER: US91/00342
; EARLIER FILING DATE: 1991-01-17
; EARLIER APPLICATION NUMBER: 07/466,577
; EARLIER FILING DATE: 1990-01-17
; EARLIER APPLICATION NUMBER: 07/416,530
; EARLIER FILING DATE: 1989-10-03
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Streptococcus pyogenes
US-09-314-235-29

Query Match      17.0%; Score 210; DB 4; Length 221;
Best Local Similarity 30.0%; Pred. No. 1,6e-13;
Matches 67; Conservative 48; Mismatches 80; Indels 28; Gaps 12.

OY      25 HQSDSKDISNVKSDLLYATITPYDKDCR-VNFSHTHTLNIDPQKRGKDY-YISSEM 82
           1 : 1 : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      10 HRSLVLVNLQNI-----YFLYCGDVTHTHNVASVOLLSHDLIYVNS---GPNYDKLKTLEL 62
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
OY      83 SYEASQFKRDDHDVDFGL-FYLL-----NSHTGEYVIGTTPAONKNVNH-----KLLG 131
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      63 KNOEMALLFKDKNDIVIGVEYTHLCYLCENNERASACTYGVY---NHGHNLEIPKTIYV 119
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
OY      132 NLFISSGSQONLNKKILLEDKIVTFOEIDFKIRKLYMDNXYIY-DATSPYVSGRIEIGTK 190
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      120 KVSIDG--IOSLSFDIETNKKMVAQOELDYKVRKYLTDNKKOLYTNNGPSKETGYIKFKTPK 177
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
OY      191 DGRHEQIDLPDSNEGTRSDIFAYKYKNNRIINMKNFSHFDIYL 233
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :
DB      178 NKSEFWFDLPPEP-EFTQSKYLMYIKDNETLD-SNTSOIEVYLL 218
           1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : : 1 : : : : :

RESULT 6
US-08-896-933-25
; Sequence 25, Application US/08896933
; Patent No. 6221351
; GENERAL INFORMATION:
; APPLICANT: Terman, David S.
; TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,

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? TITLE OF INVENTION: SUPERANTIGENS, AND RELATED COMPOUNDS
? FILE REFERENCE: 09629/005002
? CURRENT APPLICATION NUMBER: US/08/896,933
? CURRENT FILING DATE: 1997-07-18
? EARLIER APPLICATION NUMBER: 08/252,978
? EARLIER FILING DATE: 1994-06-02
? NUMBER OF SEQ ID NOS: 34
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 25
? LENGTH: 228
? TYPE: PRF
? ORGANISM: Staphylococcus aureus
US-08-896-933-25

Query Match      17.0%, Score 209.5; DB 3; Length 228:
Best Local Similarity 29.1%, Pred. No. 1.9e-13;
Matches 62; Conservative 40; Mismatches 66; Indels 45; Gaps 9

Dd   43 LENTLLKKFFETDLINEDLLINR-----SKMAQHFK-SK 78
QY   36 VKSDLLAVYTTP-YDYKDCVNFSTHTLMIDQKYNGKDYYISSEMSYEASOKFRKD 94
::: ||| | :||: ||: | | | | | | | | | | | | | | | |
QY   95 HVDVEGLFYIENSHGEGE----LYGCITPAONKNKVNH--KLGNLFISGESOOLNANKI 147
||||: | | | | | | | | | | | | | | | | | | | | | |
Db   79 NVDYVPPIRYSLNCGGELDRACGYGTPEHGKTKRKRIPTMLWINGVQKEVSLDKV 138
QY   148 ILEKDIYTFDEIDKIRKYYLMDNKXKIYDATS---PYVSGRIETGDKGHQIEDLFDSPN 204
Ddb  139 QTDKRNKTVOLEDAQARYLOKDELKLYNNDTLGKIQRGKIEPSSDSKSYDLEF--- 195
QY   205 EGRSRDIFAK----YKDNRIIMNMNFHFIDYL 233
Db   196 --VKDEPERKQLRIYSDNKTLSTEHL-HIDIYL 225

RESULT 7
US-09-314-235-25
? Sequence 25, Application US/09314235
? Patent No. 6338845
? GENERAL INFORMATION::
? APPLICANT: Terman, David S.
? TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROXINS,
FILE REFERENCE: 09629/005004
? CURRENT APPLICATION NUMBER: US/09/314,235
? CURRENT FILING DATE: 1999-05-18
? EARLIER APPLICATION NUMBER: 08/896,933
? EARLIER FILING DATE: 1997-07-18
? EARLIER APPLICATION NUMBER: 08/252,978
? EARLIER FILING DATE: 1994-06-02
? EARLIER APPLICATION NUMBER: 07/891,718
? EARLIER FILING DATE: 1992-06-01
? EARLIER APPLICATION NUMBER: US91/00342
? EARLIER FILING DATE: 1991-01-17
? EARLIER APPLICATION NUMBER: 07/466,577
? EARLIER FILING DATE: 1990-01-17
? EARLIER APPLICATION NUMBER: 07/416,530
? EARLIER FILING DATE: 1989-10-03
? NUMBER OF SEQ ID NOS: 34
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 25
? LENGTH: 228
? TYPE: PRF
? ORGANISM: Staphylococcus aureus
US-09-314-235-25

Query Match      17.0%, Score 209.5; DB 4; Length 228:
Best Local Similarity 29.1%, Pred. No. 1.9e-13;
Matches 62; Conservative 40; Mismatches 66; Indels 45; Gaps 9

Dd   43 LENTLLKKFFETDLINEDLLINR-----SKMAQHFK-SK 78
QY   36 VKSDLLAVYTTP-YDYKDCVNFSTHTLMIDQKYNGKDYYISSEMSYEASOKFRKD 94
::: ||| | :||: ||: | | | | | | | | | | | | | | | |
QY   95 HVDVEGLFYIENSHGEGE----LYGCITPAONKNKVNH--KLGNLFISGESOOLNANKI 147
||||: | | | | | | | | | | | | | | | | | | | | | |
Db   79 NVDYVPPIRYSLNCGGELDRACGYGTPEHGKTKRKRIPTMLWINGVQKEVSLDKV 138
QY   148 ILEKDIYTFDEIDKIRKYYLMDNKXKIYDATS---PYVSGRIETGDKGHQIEDLFDSPN 204
Ddb  139 QTDKRNKTVOLEDAQARYLOKDELKLYNNDTLGKIQRGKIEPSSDSKSYDLEF--- 195
QY   205 EGRSRDIFAK----YKDNRIIMNMNFHFIDYL 233
Db   196 --VKDEPERKQLRIYSDNKTLSTEHL-HIDIYL 225

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QY 95 HVDVEFLFIILNSHTGEY-----ITGCTPAONKNVNH--KLGLNLFISGESQONLNKRI 147
DB 79 MNDVYRIRSYINCYGEIDRTACTYGVPPHEGKNLKERKKIPINIMINGVQREYSLDKV 138
QY 148 ILEKDIIVTFOEIDFKIRKYLMDVKYKIDATSPVSGRIEIGTGDGHEQDLFDSN 204
DB 139 QTDKKRNVYQELDQARRILODKLYNNDTLGKTIQGRKIEFDSGSKSVYDLFD--- 195
QY 205 EGRSDIFAK---YKDNRIINMKNFSEHDYIL 233
DB 196 --VKGDPEKQRLRYSDNKTLSTEHL-HIDYIL 225

RESULT 8

US-08-486-099-112
Sequence 112, Application US/08486099
Patent No. 6013263
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
APPLICANT: Matthews, Thomas J.
APPLICANT: Wild, Carl T.
APPLICANT: Barney, Shawn O.
APPLICANT: Lambert, Dennis M.
APPLICANT: Petteway, Stephen R.
APPLICANT: Langlois, Alphonse J.
TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HEPATITIS
NUMBER OF SEQUENCES: 209
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,099
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-031
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 257 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-486-099-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;
QY 1 MKKINIIVFIITVILISTYFYHOSDKKDIS-----NKSGL--LYAV-- 44
DB 1 MKKTAIFILLFT--ALITTSPLVNGSEKSEINEKLRKKSSELRNALSLMLROIYYNE 58
QY 45 -TTPYDKCRV-----NFSSTH---TLNID-----TQYRGKDVYISSEMSYE 85

DB 59 KAITENKESDDQFLENTLLFKGFETHGPMVNDLVLGSKDATNKYKRG----- 107
QY 86 ASQKFRDHDVDFGFFLYLNSHTG-----EYIGGTPAONKNVNH--KLGLNLFISGE 138
DB 108 -----KVDLYGAVYIQACAGTPNKTAQWYGVTLHDNNRLTEERKVPINLWIDK 158
QY 139 SOONLNKILKEDIIVTFOEIDFKIRKYLMDVKYKIDATSPVSGRIEIG-----TKDCK 193
DB 159 OTTVPIDKVKTSKEVTVQELDQARHLYLHGKFGLYNSDS--FGGRVQGLLVFHSSEGS 216
QY 194 HQQDLFDSPNEGTSDIFAK-YKDNRIINMKNFSEHDYIL 233
DB 217 TVSYDLFDA--OGQYPTDLIRYRDNKTLINSENL-HIDYIL 254

RESULT 9

US-08-360-107A-122
Sequence 122, Application US/08360107A
Patent No. 6017536
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
APPLICANT: Matthews, Thomas J.
APPLICANT: Wild, Carl T.
APPLICANT: Barney, Shawn O.
APPLICANT: Lambert, Dennis M.
APPLICANT: Petteway, Stephen R.
APPLICANT: Langlois, Alphonse J.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION
TITLE OF INVENTION: OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
NUMBER OF SEQUENCES: 149
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/360,107A
FILING DATE: 20-DEC-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-013
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 122:
SEQUENCE CHARACTERISTICS:
LENGTH: 257 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-360-107A-122

Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;
QY 1 MKKINIIVFIITVILISTYFYHOSDKKDIS-----NKSGL--LYAV-- 44
DB 1 MKKTAIFILLFT--ALITTSPLVNGSEKSEINEKLRKKSSELRNALSLMLROIYYNE 58
QY 45 -TTPYDKCRV-----NFSSTH---TLNID-----TQYRGKDVYISSEMSYE 85

Db 59 KATENKESDQFLENTLLFKGFTGHPWYNDLLVDGSKDATNKKYK-----107
Qy 86 ASQFKRBDHVDVGLFTILNHSHTG-----EYIGGITPAQNNKYNH--KLGNI.FISGE 138
Db 108 -----KVDLGAYGYOCAGCTPNKTAQMGVTLHDNNRLTEERKVPINLMDGK 158
Qy 139 SQONLNKRIIEKIDVFOEIDFKIRKYLMDNRYKIDATSPYSGRIEIG-----TKDGK 193
Db 159 QTVPIDKVKTSKEEYVQELDLQARHHLHGKFGILYNSDS--FGSKVQRLIVFHSRGS 216
Qy 194 HEQIDLEPDSNEGTRSDIFAK-YKDNRIINKNFSHPDIYL 233
Db 217 TVSYDLFDA--QGQYPTLLRIYRDNKNTINSENL-HIDLVL 254

RESULT 10

US-08-484-223B-112
Sequence 112, Application US/08484223B
Patent No. 6020459
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
APPLICANT: Matthews, Thomas J.
APPLICANT: Wild, Carl T.
APPLICANT: Barney, Shawn O.
APPLICANT: Lambert, Dennis M.
APPLICANT: Petteway, Stephen R.
APPLICANT: Langlois, Alphonse J.
TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
TITLE OF INVENTION: TRANSMISSION
NUMBER OF SEQUENCES: 245
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,223B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-029
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 257 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-484-223B-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

Qy 1 MKNINIKIIVITIVILISTFTYHQSDDSKDIS-----NKSUL--LYAV-- 44
Db 1 MKKTAFTILLFT--ALTITSPLVNGSEKSEINEKDLRKSELDORNALSNLRQIYYNE 58

Qy 45 -TTPYDKDCRV-----NFSTTH---TLNID-----TQYRKGDYIISSEMSYE 85
Db 59 KATENKESDQFLENTLLFKGFTGHPWYNDLLVDGSKDATNKKYK-----107
Qy 86 ASQFKRBDHVDVGLFTILNHSHTG-----EYIGGITPAQNNKYNH--KLGNI.FISGE 138
Db 108 -----KVDLGAYGYOCAGCTPNKTAQMGVTLHDNNRLTEERKVPINLMDGK 158
Qy 139 SQONLNKRIIEKIDVFOEIDFKIRKYLMDNRYKIDATSPYSGRIEIG-----TKDGK 193
Db 159 QTVPIDKVKTSKEEYVQELDLQARHHLHGKFGILYNSDS--FGSKVQRLIVFHSRGS 216
Qy 194 HEQIDLEPDSNEGTRSDIFAK-YKDNRIINKNFSHPDIYL 233
Db 217 TVSYDLFDA--QGQYPTLLRIYRDNKNTINSENL-HIDLVL 254

RESULT 11

US-08-919-597-112
Sequence 112, Application US/08919597
Patent No. 6054265
GENERAL INFORMATION:
APPLICANT: Bolognesi, Dani P.
APPLICANT: Matthews, Thomas J.
APPLICANT: Wild, Carl T.
APPLICANT: Barney, Shawn O.
APPLICANT: Lambert, Dennis M.
APPLICANT: Petteway, Stephen R.
APPLICANT: Langlois, Alphonse J.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION
OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV
TITLE OF INVENTION: TRANSMISSION
NUMBER OF SEQUENCES: 273
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/919,597
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/470,896
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7872-020
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 257 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-919-597-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

Db 1 MKKTAFLILLFI--ALTLTSPVLNGSEKSEINEKDLRKKSSELORNAALSLRQIYYNE 58
OY 45 -TTPYDYKDCRV-----NESTH---TLNID-----TQYRKGDYIYSEMSYE 85
Db 59 KAITENKESDQFLENTLLKRGFTGHPWYNDLVLDGSKDATNKYKQK-----107
OY 86 ASOKFKRHDHVDVGLFYILNSHTG-----EYIGGITPAONNVNH--KLLGNLFTSGE 138
Db 108 -----KVDLGAIVGYOCAGGTPNKTACMGVTLHDNNRLTEKKVPILNWLIDGK 158
OY 139 SOQNLNKKILLEKDIYVFOEIDFKIRKYLMDNRYIATSPYVSGRIEIG-----TKDGK 193
Db 159 QTTVPIDKVKTSKKEVYQELDLQARHHLHGKFGLYNSDS--FGGKVGRLIVFHSSEGS 216
OY 194 HEQIDLEDSNEGTRSDIFAK-YKDNRIINKNFSHFDIYL 233
Db 217 TVSYDLFDA--QGQYPTLLRIYRDNKNTINSEN-LHIDLVL 254

RESULT 14

US-08-471-913A-112
; Sequence 112, Application US/08471913A
; Patent No. 6093794
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING EPSTEIN-BARR VIRUS
; NUMBER OF SEQUENCES: 214
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/471,913A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-471-913A-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;
OY 1 MKKINIKIVITVILISTYFTYHQSCKDIS-----NVKSDL--LYAV-- 44

Db 1 MKKTAFLILLFI--ALTLTSPVLNGSEKSEINEKDLRKKSSELORNAALSLRQIYYNE 58
OY 45 -TTPYDYKDCRV-----NESTH---TLNID-----TQYRKGDYIYSEMSYE 85
Db 59 KAITENKESDQFLENTLLKRGFTGHPWYNDLVLDGSKDATNKYKQK-----107
OY 86 ASOKFKRHDHVDVGLFYILNSHTG-----EYIGGITPAONNVNH--KLLGNLFTSGE 138
Db 108 -----KVDLGAIVGYOCAGGTPNKTACMGVTLHDNNRLTEKKVPILNWLIDGK 158
OY 139 SOQNLNKKILLEKDIYVFOEIDFKIRKYLMDNRYIATSPYVSGRIEIG-----TKDGK 193
Db 159 QTTVPIDKVKTSKKEVYQELDLQARHHLHGKFGLYNSDS--FGGKVGRLIVFHSSEGS 216
OY 194 HEQIDLEDSNEGTRSDIFAK-YKDNRIINKNFSHFDIYL 233
Db 217 TVSYDLFDA--QGQYPTLLRIYRDNKNTINSEN-LHIDLVL 254

RESULT 15

US-08-485-264A-112
; Sequence 112, Application US/08485264A
; Patent No. 6228983
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Dani P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF
; TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING
; TITLE OF INVENTION: RESPIRATORY SYNCYTIAL VIRUS TRANSMISSION
; NUMBER OF SEQUENCES: 232
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,264A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-021
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-485-264A-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

